

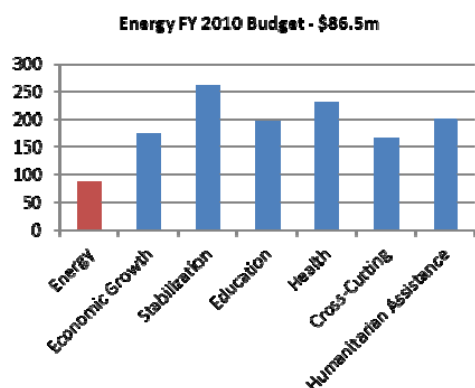


USAID
FROM THE AMERICAN PEOPLE

PAKISTAN

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Energy Program



Energy is essential to economic growth and political stability. Efficient energy management facilitates trade, enhances agricultural and industrial production, supports job creation, and increases opportunities for citizens to benefit from economic growth. The U.S. Government, through USAID, is partnering with the Government of Pakistan, the private sector, and other donors to strengthen Pakistan's energy sector. Our projects focus on increasing the Pakistan's energy supplies, improving energy use efficiency, modernizing equipment, and providing needed technical support and training.

Objectives

- Increase Pakistan's power generation capacity by 700 megawatts
- Support efficient energy use
- Support the implementation of Pakistan's Power Sector Reform Program
- Provide technical assistance to improve power generation and transmission and strengthen electric power distribution companies.

Current Projects

Gomal Zam Dam Project

USAID is providing \$40 million to the Water and the Power Development Authority (WAPDA) to help with the completion of the Gomal Zam Dam in South Waziristan. When finished, the dam will generate 17.4 megawatts of hydroelectric power, control flooding, and irrigate almost 200,000 acres of land worked by 30,000 farmers.



Gomal Zam Dam in South Waziristan, which USAID is helping complete



Satpara Dam Project

USAID is providing \$26 million to WAPDA for the completion of the Satpara Dam, four power houses, and an irrigation system serving 15,500 acres of land. This project will generate 17.7 megawatts of power for the city of Skardu in Gilgit-Baltistan and will provide 3 million gallons of water for drinking purposes each day.



Tarbela Project

The Tarbela Dam hydroelectric power station in Khyber Pakhtunkhwa Province is the largest earth-filled dam in the world. USAID is providing \$16 million to modernize three generators in the dam, which when finished will add 128 megawatts in power generation capacity.



Jamshoro, Muzaffargarh, and Guddu Projects

The Jamshoro and Guddu thermal power stations are in Sindh Province and the Muzaffargarh plant is in Punjab Province. USAID is providing \$52 million to co-finance the modernization of these plants, which will add a total of 300 megawatts to the national power grid.



Tubewell Efficiency Project

With the world's largest irrigation-based agricultural system, Pakistan uses much of its power on pumping water for farms. USAID is providing \$18.5 million to help replace up to 11,000 tubewell pumps with more efficient models. This project is allowing farmers to significantly reduce their electricity usage, for a savings of nearly \$8 million and 45 megawatts of electricity each year.



USAID is helping fund more than 11,000 energy-efficient tubewell pumps



Power Distribution Program

Inefficiencies at Pakistan's electric power distribution companies cost the government and consumers billions of rupees annually. USAID is supporting efforts to bring these companies' performance to an optimal level so they can reduce losses and generate sufficient income to maintain and expand Pakistan's energy systems.

Key Accomplishments, 2010

- Restored 108 MW of power generation capacity at Tarbela Dam hydroelectric power station
- Regained a total of 80 MW at the Jamshoro and Muzaffargarh thermal power plants
- Completed construction of dam and flood control components at Gomal Zam Dam
- Completed construction of power houses 1 and 2 at Gomal Zam dam
- Completed operational audits of eight electric power distribution companies
- Offered training on business plans, strategic planning, change management, and information technology at electric power distribution companies.